

# Chaoqi Yang

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## EDUCATION

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- **Shanghai Jiao Tong University (SJTU)** **Shanghai, China**  
Bachelor of Engineering in Information Security, School of Cyber Security *Sep. 2015 – Jul. 2019 (Expected)*
  - **Rank:** 5/97    **Major GPA:** 91.08/100 (3.84/4.3)    **Cumulative GPA:** 89.34/100 (3.75/4.3)
  - **TOEFL:** 102 (R:29, L:27, S:22, W:24)    **GRE:** 329+4.0 (V:159, Q:170, AW:4.0)

## PUBLICATIONS

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- [1] Yang, Chaoqi, Qitian Wu, Xiaofeng Gao, and Guihai Chen. "EPOC: a survival perspective Early Pattern detection model for Outbreak Cascades." *In International Conference on Database and Expert Systems Applications*, pp. 336-351. Springer, Cham, 2018.
- [2] Wu, Qitian, Chaoqi Yang, Hengrui Zhang, Xiaofeng Gao, Paul Weng, and Guihai Chen. "Adversarial Training Model Unifying Feature Driven and Point Process Perspectives for Event Popularity Prediction." *In Proceedings of the 27th ACM International Conference on Information and Knowledge Management*, pp. 517-526. ACM, 2018.
- [3] Wu, Qitian, Chaoqi Yang, Xiaofeng Gao, Peng He, and Guihai Chen. "EPAB: Early Pattern Aware Bayesian Model for Social Content Popularity Prediction." *In 2018 IEEE International Conference on Data Mining (ICDM)*, pp. 1296-1301. IEEE, 2018.

## RESEARCH EXPERIENCE

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- **Real-time Bidding For Display Advertising** **Tencent Social Ads, Beijing, China**  
**Advisor:** Liubin (Ubi) Wang and Haishan Liu *Nov. 2018 – Jun. 2019 (Expected)*
  - Changed A3C structure and proposed multi-objective reinforcement learning algorithm (in short, MoTiAC): using multiple critics to guide one actor towards a balance situation between different objectives
  - Improved daily revenue by 4.3% and ROI by 2.6% for Tencent Ads platform in large-scale off-line experiments
- **Information Dissemination in Social Networks** **SJTU, Shanghai, China**  
**Advisor:** Xiaofeng Gao and Peng He *Apr. 2017 – Oct. 2018*
  - Inserted a hidden layer into Bayesian network structure, and used EM algorithm to train
  - Employed survival theory, combining static and dynamic perspective for cascade dissemination
  - Inspired by GAN, unified feature driven model and point process model in adversarial training
  - Found that model-free PP is better in short-period prediction and model-based PP is better in long-period prediction

## HONORS & SCHOLARSHIPS

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- **SJTU Merit Student Award** *2016, 2017, 2018*
- **Top-10 SJTU Merit Student Award** *2018*
- **Rong Chang Innovation Scholarship** *2018*
- **Huawei Scholarship** *2017*
- **Kwang-Hua Scholarship** *2016*

## COMPETITIONS

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- **1st Prize, Mathematics Contest in Modeling (MCM)** *2018*
- **2nd Prize, China Undergraduate Mathematical Contest in Modeling (CUMCM)** *2018*
- **2nd Prize, Chinese Mathematics Competitions (CMC)** *2017*
- **1st Prize, Chinese Mathematical Olympiad (CMO)** *2014*

## EXTRACURRICULUM

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- **Chief Editor:** YIYOU (the most influential student publication on the campus)
- **Volunteer:** 2016 & 2017 Shanghai International Marathon, South Shanghai Railway Station
- **Class Secretary:** Class F1503003, Shanghai Jiao Tong University
- **Vice Monitor & Teaching Assistant in Math:** Class 17, Shaoxing No.1 Middle School

## SKILLS & INTERESTS

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**Coding:** Python (Pytorch, Tensorflow), C/C++, Matlab    **Writing:** Latex, Markdown    **Plotting:** Seaborn, Highcharts  
**Interests:** Travel, Music, Sports (Orienteering, Badminton, Table Tennis, Swimming)